

<u>Title:</u>	Sesqui-terpene cpds. extracted from a sponge - for use as antibacterial agents <a href="#">[Derwent Record]</a>
<u>Derwent</u>	
<u>Title:</u>	
<u>Country:</u>	JP Japan
<u>Kind:</u>	A
<u>Inventor:</u>	NAKAMURA EIJI; KOBAYASHI JUNICHI; OIZUMI YASUSHI; TAKAMATSU MASAKO;
<u>Assignee:</u>	<b>MITSUBISHI KASEI CORP</b> <a href="#">News, Profiles, Stocks and More about this company</a>
<u>Published/</u>	1991-02-26 / 1989-07-11
<u>Filed:</u>	
<u>Application</u>	JP1989000177199
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<u>Priority</u>	1989-07-11
<u>Number:</u>	<b>JP1989000177199</b>
<u>Abstract:</u>	NEW MATERIAL: A sesquiterpene expressed by formula I (R is =C=S, formula II or formula III). USE: An antimicrobial agent. PREPARATION: For example, a kind of Demospongiae collected in a sea area of Okinawa is homogenized by grinding and subjected to extraction treatment using a proper solvent and isolated by purifying with a column chromatography to afford the compound expressed by formula I (R is =C=S). The compound expressed by formula I (R is =C=S) is subjected to reduction treatment under proper conditions to give the compound expressed by formula I (R is formula II). Then the compound expressed by formula I (R is formula II) is reacted with p-bromobenzoylchloride to provide the compound expressed by formula I (R is formula III). COPYRIGHT: (C)1991,JPO&Japio
<u>Family:</u>	None
<u>Other</u>	<a href="#">DERABS C91-099160</a> <a href="#">DERC91-099160</a>
<u>Abstract</u>	
<u>Info:</u>	

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Derwent Title: Sesqui-terpene cpds. extracted from a sponge - for use as antibacterial agents  
Original Title: JP03044357A2: SESQUITERPENE COMPOUND

Assignee: **MITSUBISHI KASEI CORP** Standard company  
Other publications from MITSUBISHI KASEI CORP (MITU)...

Inventor: None  
1991-099160 / 199114

Accession/Update:  
IPC Code: A61K 31/13 ; C07C 211/48 ; C07C 233/65 ; C07C 331/26 ;

Derwent Classes:  
Manual Codes:

Derwent Abstract:

**B05;**

**B10-A14((Iso)cyanate, thiocyanide) , B10-B04B(Other non-aromatic amines) , B10-D03(Carboxylic amides) , B12-A01(Antibacterial)**

(JP03044357A) Sesquiterpene cpds. of formula (I) are new. (Where R = C=S gp. of formula (II) or (III).

(I) can be obtd. by crushing a sponge collected at the sea of Okinawa, Japan, homogenising the crushed sponge, extracting the homogenate and chromatographing the extract on a column.

Use - (I) exhibits antibacterial activity. In an example a sponge collected at the sea of Okinawa, Japan was crushed. The crushed sponge was homogenised and extracted with ethanol (1000 ml x 3) at room temp. The extract was concd. and the residue was extracted with ethanol (100 ml, 50 ml, 30 ml). Water (45 ml) was added to the extract and the mixt. was extracted with hexane (200 ml x 3). The hexane extract was concd. to dryness to give a residue. A portion of the residue was chromatographed on a column (4.6 x 48 cm) of silica gel with hexane (1400 ml) and hexane-ethyl acetate (9:1, 1400 ml).

Dwg.0/0

Family:

<u>PDF Patent</u>	<u>Pub. Date</u>	<u>Derwent Update</u>	<u>Pages</u>	<u>Language</u>	<u>IPC Code</u>
<u>JP03044357A *</u>	1991-02-26	199114		English	A61K 31/13
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Priority Number:

<u>Application Number</u>	<u>Filed</u>	<u>Original Title</u>
JP1989000177199	1989-07-11	SESQUITERPENE COMPOUND

Related Accessions:

<u>Accession Number</u>	<u>Type</u>	<u>Derwent Update</u>	<u>Derwent Title</u>
C1991-042656	C		
1 item found			

Title Terms:

SESQUI TERPENE COMPOUND EXTRACT SPONGE ANTIBACTERIAL AGENT

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